

## APPENDIX C

### REPLACEMENT SPECIFICATIONS

#### LOW-CLEARANCE SHUTTER SLAT

[0001] 1. Field of the Invention

[0002] The present invention relates to shutters and in particular to shutters of the roller type having improved resistance to storms and break-ins. It furthermore relates to a shutter having improved retraction capability.

[0003] 2. Description of the Related Art

[0004] Conventional roller shutters are designed to provide security from break-ins or protection from storms. Because such protection and security may not always be necessary or desired, such as during the day when a retail store is open for business, or during fine weather when a homeowner wishes to open windows or enjoy an ocean view, roller shutters are designed to be retractable into a casing in which they are stored. To facilitate compact storage, rigid shutter slats designed to resist hurricane winds and burglars must be capable of conforming to a roll.

[0005] One conventional shutter slat is made to conform to a roll by providing a loose articulation between slats. Slat are slidably engaged at the upper edge of one slat and the lower edge of another slat. The upper edge comprises a vertical projection terminating in a hook-shaped profile. The lower edge comprises a first portion and a second portion, which define a vertical pocket. The hook-shaped profile of the upper edge allows the upper edge to engage the first portion of the lower edge, also having a hook-shaped profile. The upper edge is prevented from undesirably disengaging by the second portion of the lower edge, which comprises a guard extending downward to slightly below the hook-shaped profile of the lower edge, defining a



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